

ABSTRACT

5 This invention relates to a method, system and the computer readable
program product wherein the least loaded boot server is prioritized for
service by a single DHCP/PXE server by maintaining a boot server
allocation table (SAT) containing the existing client load count for each
boot server, maintaining a client allocation table (CAT) associating each
client IP address with the corresponding boot server IP address,
10 prioritizing the boot servers by sorting said SAT in order of increasing
load count whenever it is updated and providing the IP address of the
boot servers in the sequence of their listing in said SAT for access
whenever a client requests the DHCP.